

**CLAIM AMENDMENTS**

(added text shown with underlining; deleted text shown by ~~striketrough~~)

1. **(CURRENTLY AMENDED)** ~~Process~~ A process for the depolymerization of glycosaminoglycans ~~to obtain wherein the~~ depolymerized glycosaminoglycans ~~having~~ have a  $M_w$  less than or equal to or lower than 50% of the original  $M_w$  of said glycosaminoglycans prior to depolymerization, ~~characterized by the use of said~~ process comprising exposing said glycosaminoglycans to UV radiation having a peak in the range of from 245 nm to 260 nm.
2. **(CURRENTLY AMENDED)** ~~Process~~ The process according to claim 1, wherein the source of UV radiation is a medium or low pressure Hg lamp.
3. **(CURRENTLY AMENDED)** ~~Process~~ The process according to ~~claims 1-2~~ claim 1, wherein the UV radiation has a prevalent emission band at 253 nm.
4. **(CURRENTLY AMENDED)** ~~Process~~ The process according to ~~claims 1-3~~ any one of claims 1, 2, or 3, wherein the glycosaminoglycane is heparin.
5. **(CURRENTLY AMENDED)** ~~Process~~ The process according to ~~claims 1-3~~ any one of claims 1, 2, or 3, wherein the glycosaminoglycane is dermatansulphate.
6. **(CURRENTLY AMENDED)** ~~Process~~ The process according to ~~claims 1-5~~ any one of claims 1, 2, or 3, wherein the ~~solution subjected to~~ depolymerization process is ~~kept~~ carried out at a temperature ~~comprised of~~ between 0 and 70 °C.
7. **(CURRENTLY AMENDED)** Depolymerized glycosaminoglycane ~~obtainable~~ obtained by the process of ~~claims 1-6~~ claim 1.